

**Department of Environmental Quality  
Division of Water Infrastructure  
Additional Information on Needs for Smaller Utilities  
March 4, 2018**

	<b>Total 20-year projected wastewater needs in 2015 Dollars (MINIMUM of the range)</b>	
<b>Population Group</b>	<b>Wastewater Systems</b>	<b>Drinking Water Systems</b>
<b>&lt;= 10,000</b>	\$1,217,000,000	\$3,913,000,000
<b>10,001 to 100,000</b>	\$2,649,000,000	\$4,344,000,000
<b>&gt;100,000</b>	\$3,767,000,000	\$2,531,000,000
<b>Totals</b>	\$7,633,000,000	\$10,788,000,000

Notes on the needs table:

The needs were generated in 2016 from needs EPA Needs Survey and other data sources to better capture needs not contained in the EPA Needs Survey. The EPA survey used was conducted in 2011 and adjusted for inflation to 2015 dollars.

DEQ will be working with the Environmental Finance Center (EFC) at UNC's School of Government to develop a new estimate needs with work beginning later this year.

These estimates for needs may not be as accurate for smaller systems versus larger systems. Larger systems tend to have a better understanding of needs and to put those needs in capital improvement plans which are a major source of the data. Smaller systems may or may not have an accurate capital improvement plan. From the EFC report to DEQ:

“Lack of documentation for small water systems makes it very difficult to check the accuracy of the models used by EPA to estimate their capital needs. Furthermore, the CIPs found for small water systems reveal a lack of comprehensive planning by the water system, including needs for only some types of projects (e.g. distribution line replacement) and excluding needs for other types of projects (e.g. water treatment plant upgrades/rehabilitation).”

The drinking water needs are for community water systems and will include both local government unit owned systems and privately-owned system (nonprofit water corporations, public utilities, etc.).

Wastewater needs are for local government unit systems only.